## What is claimed is:

- 1. A semiconductor processing chamber comprising:
- a chamber body having sidewalls and a bottom defining an interior volume;
- a lid assembly coupled to the chamber body and movable between a first position enclosing the interior volume and a second position;
- a hinge assembly coupled between the lid assembly and the chamber body; and
- a motor coupled to the hinge assembly for moving the lid assembly between at least the first position and the second position.
- 2. The semiconductor processing chamber of claim 1, wherein the hinge assembly further comprises:

one or more mounting brackets coupled to the lid assembly; a shaft coupled to the mounting brackets; and one or more bearing mounts rotatably coupled to the shaft.

- 3. The semiconductor processing chamber of claim 2, wherein the motor is coupled to the shaft.
- 4. The semiconductor processing chamber of claim 2, wherein the shaft is coplanar with the upper surface of the chamber body.
- 5. The semiconductor processing chamber of claim 2, wherein the bearing mounts are coupled to the chamber body, a frame circumscribing the chamber body or a processing platform having the chamber body coupled thereto.
- 6. The semiconductor processing chamber of claim 1, wherein the lid assembly further comprises a target and a magnetron.

- 7. The semiconductor processing chamber of claim 1 further comprising: a plurality of first locating devices disposed between the lid assembly and
- the chamber body disposed proximate a shaft of the hinge assembly; and
- a plurality of second locating devices disposed between the lid assembly and the chamber body, the second locating devices disposed outward of the first locating devices relative the shaft.
- 8. The semiconductor processing chamber of claim 7, wherein each of the first locating devices further comprises:
  - a pin and a bushing having a "C" shaped cross section.
- 9. The semiconductor processing chamber of claim 8, wherein each of the second locating devices further comprises:
  - a pin and a cylindrical bushing.
- 10. The semiconductor processing chamber of claim 8, wherein the pin is coupled to the lid assembly.
- 11. A semiconductor processing chamber comprising:
- a chamber body having sidewalls and a bottom defining an interior volume;
- a lid coupled to the chamber body and having a bottom movable between a first position enclosing the interior volume and a second position;
  - a target coupled to the bottom of the lid;
  - a first mounting bracket coupled to the lid assembly;
  - a shaft coupled to the first mounting bracket:
  - one or more bearing mounts rotatably coupled to the shaft; and
- a motor coupled to at least one of the shaft or first mounting bracket for moving the lid assembly between at least the first position and the second position.

- 12. The semiconductor processing chamber of claim 11 further comprising:
- a first bushing having a "C" shaped cross section disposed in the chamber body; and
- a first pin disposed between the lid assembly and the chamber body wherein a portion of the first pin mates with the first bushing.
- 13. The semiconductor processing chamber of claim 11 further comprising:
- a first bushing having a "C" shaped cross section disposed in the chamber body;
- a first pin disposed between the lid assembly and the chamber body wherein a portion of the first pin mates with the first bushing;
- a second bushing having a cylindrical cross section disposed in the chamber body outward of the first bushing relative to the shaft; and
- a second pin disposed between the lid assembly and the chamber body wherein a portion of the second pin mates with the second bushing.
- 14. The semiconductor processing chamber of claim 11, wherein the shaft is coplanar with the upper surface of the chamber body.
- 15. The semiconductor processing chamber of claim 11, further comprising: a second mounting bracket coupled to the lid assembly and the shaft; and
  - a brace coupled between the first and second mounting brackets.
- 16. A physical vapor deposition chamber comprising:
- a chamber body having sidewalls and a bottom defining an interior volume:
- a lid coupled to the chamber body and having a bottom movable between a first position enclosing the interior volume and a second position;
  - a target coupled to the bottom of the lid;
  - one or more mounting brackets coupled to the lid assembly;
  - a shaft fixed to the mounting brackets:

one or more bearing mounts disposed on the chamber body and rotatably coupled to the shaft:

- a motor coupled to at least one of the shaft or mounting brackets for moving the lid assembly between at least the first position and the second position;
- a first bushing having a "C" shaped cross section disposed in the chamber body;
- a first pin disposed between the lid assembly and the chamber body wherein a portion of the first pin mates with the first bushing;
- a second bushing having a cylindrical cross section disposed in the chamber body outward of the first bushing relative to the shaft; and
- a second pin disposed between the lid assembly and the chamber body wherein a portion of the second pin mates with the second bushing.